



200-GB02

Product Technical Information

Polypropylene 200-GB02 is a random copolymer polypropylene with a Melt Flow Index of 1.8 g/min suitable for:

- the manufacturing of films having easy heat weldability in the blown process
- extrusion applications.

Characteristics

Properties	Test Methods	Values	Units
Rheological			
Melt Flow Rate 230°C/2.16Kg	ISO 1133	1.8	g/10 min
Mechanical			
Tensile Strength at Yield	ISO 527-2	26	MPa
Elongation at Yield	ISO 527-2	10	%
Tensile modulus	ISO 527-2	1100	MPa
Flexural modulus	ISO 178	1000	MPa
Izod Impact Strength (notched) at 23°C	ISO 180	7.5	kJ/m ²
Charpy Impact Strength (notched) at 23°C	ISO 179	8.5	kJ/m ²
Hardness Rockwell - R-scale	ISO 2039-2	84	
Thermal			
Melting Point	ISO 3146	148	°C
Vicat Softening Point	ISO 306		
50N-50°C per hour		67	°C
10N-50°C per hour		130	°C
Other physical properties			
Density	ISO 1183	0.902	g/cm ³
Bulk Density	ISO 60	0.525	g/cm ³
Data should not be used for specification work			



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Additional Properties: typical film properties on 40µm thick blown film

Properties	Test Methods	Values	Units
Optical			
Gloss	ASTM D2457	33	
Haze	ISO 14782	19	%
Mechanical*			
Tensile Strength at Yield MD *	ISO 527-3	33	MPa
Tensile Strength at Break MD *	ISO 527-3	76	MPa
Tensile Elongation at Break MD *	ISO 527-3	650	%
Dart Impact	ISO 7765-1	36	g
Elmendorf MD / TD *	ISO 6383-2	3 / 13	N/mm
Data should not be used for specification work			

* MD: Machine Direction

TD: Transverse Direction

Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration. It is advised to process the product within maximum one year after delivery.